TSRRP RISK AND RESILIENCE EXPERT PANEL

PROJECT OVERVIEW

The objective of the project is to develop an all-hazards, sector-wide telecommunications risk and resilience profile, which will provide an independent evidence base for future policy decisions.

The project will focus on resilience of the telecommunications sector in areas of existing connectivity, taking an all-hazards approach. The project will draw on the collective expertise of government, industry, utility providers, emergency services, the risk and disaster management community, and academia.

There are five stages to the project that will produce Australia's first sector-wide telecommunications risk and resilience profile.

- Stage One will establish the scope and context for a telecommunications sector risk and resilience profile.
- In Stage Two, sources of risk will be identified.
- In Stage Three, risk will be analysed. This will include examining vulnerabilities, hazards, threats, and extreme events that have led, or may lead to, risk exposure within the telecommunications sector. This process will include evaluating cascading, compounding, interacting and interconnected risk.
- In Stage Four, options for treating risk – that, in turn, will strengthen the overall resilience of the telecommunications sector – will be identified.
- All stages will then be synthesised into the final Telecommunications Sector Risk and Resilience Profile in Stage Five.

RISK AND RESILIENCE EXPERT PANEL OVERVIEW

The purpose of the Panel is to guide the project as a whole. It comprises independent specialists with a range of expertise relevant to telecommunications, risk, and resilience. Panellists represent in their independent capacity (i.e. they do not represent their companies or organisations, but rather provide advice in the best interests of the project).

EXPERT BIOS

NAME AND CURRENT ROLE	DESCRIPTION
Professor Johanna Weaver (Chair) Director, Tech Policy Design Centre	Johanna is the founding Director of the Tech Policy Design Centre (TPDC) at the Australian National University. Before joining ANU, Professor Weaver was Australia's independent expert and lead negotiator on cyber issues at the United Nations. Earlier, Professor Weaver led the Cyber Affairs Branch at the Australian Department of Foreign Affairs and Trade. Professor Weaver is a member of the International Committee of the Red Cross Global Advisory Board on digital threats during conflict.
Alexander Osborne Head of Regulatory, TPG Telecom	Alexander has over 40 years' experience working in the telecommunications industry. He is an experienced Head of Regulatory Affairs. He has strong legal and technical skills in business planning, liaising with government, business process improvement and mobile technologies. He is a current Director of CommsAlliance and the Chair of the TISN CSG.
Cameron Scott National Network Emergency Manager, NBN	Cameron is an emergency management expert, working with NBN for over 7 years. He has spent over 20 years working in emergency management at State and Federal levels, including the police and counter-terrorism sectors. He led the building of NBN's emergency management capability from its inception. He has been a part of the TISN CSG and Comms Alliance's resilience group for the past 6-7 years. He brings a wealth of technical and operational expertise.
Carolyn Phiddian Chair, Inner North Community Foundation	Carolyn is a global expert in the creation and operation of nation-wide broadband telecommunications networks. Carolyn has over twenty eight years' experience in the telecommunications industry in Australia, the United Kingdom, New Zealand and Asia Pacific. Her career has been based on leading implementation of innovative technologies for practical business outcomes. In the CTO office Carolyn provided strategic technology leadership within nbn.
Colin Muller Business Resilience Manager, ABC	Colin has extensive experience in business resilience, emergency management and business continuity. Having been a Royal Australian Air Force Airman for 20 years with active duty, and a mechanical engineer by trade, he is an expert in risk assessment and response capability. He is a member of the TISN Resilience Expert Advisory Group and the TISN CSG. He brings specialist technical knowledge, a unique broadcaster perspective, and a wealth of leadership and coordination experience.

Craig Smith Quality and Risk Executive, Telstra	Craig has over 30 years' experience in the telecommunications industry in Australia and the Asia-Pacific region. He is an accomplished senior executive with advanced skills in strategic, technology, risk and business planning. He has a background in electrical and electronic engineering. He brings specialist skills in risk management, resilience, and legal and regulatory compliance.
Dave O'Loan Head of Cyber Relations, AARNet	Dave is a telecommunications and cyber-security specialist. He has over a decade's worth of experience in national security, with specialisations in data security, data management, personnel security, counter espionage and foreign interference and counter-terrorism. During his time in the Australian Intelligence Community his expertise was recognised with numerous community awards. He has guided the creation of legislation to better protect data and the nation's security, such as the Telecommunications Sector Security Reforms and the Assistance and Access Bill 2018 and a number of other Bills of national significance. He has provided counter terrorism and espionage related advice to government and industry
Dan Weis Practice Lead (Cyber Security Expert, Penetration Testing), Nexon Asia Pacific	Dan is a cyber-security specialist that has worked in the IT industry for over 25 years. He was one of the first 10 people in the world to become a Certified Ethical Hacker. He has worked with government, across all private industries and verticals in both a technical and solution capacity. He brings specialist knowledge in cyber infrastructure design and implementation, penetration testing, cloud security (365/Azure), cybercrime, hacking, and the darknet. He has in-depth knowledge of the process of risk identification, risk analysis/evaluation and risk treatment, including the development of workable frameworks and recommendations to lessen the threat of risks and bolster resilience.
David Haigh Head of Field Operations, Optus	David has over 28 years' experience in the telecommunication's industry. He has specialist expertise in technical aspects of the industry; in particular, with fibre optic networks and the introduction of new technologies. He has as a background in engineering and worked as a communications engineer for over 10 years. He has extensive experience in telecommunications operations, especially in the area of disaster response and resiliency. He has overseen Optus' strategy for dealing with natural disasters nationwide since 2020. He also brings an international perspective, having worked in a similar role in the United States for a number of years, where he served on several Board and Expert Panels. He is also a member of the Rural Fire Service.

Ebony Aitken
Head of Government and Industry Relations, Nokia Oceania

Ebony has worked within corporate affairs for more than 15 years, across various sectors including telecommunications, mining, energy and major infrastructure projects. Prior to joining Nokia, she spent almost six years at the National Broadband Network in numerous positions including media spokesperson and General Manager for Government Engagement. Throughout her career she has provided strategic counsel to senior executives, developed strategies to manage and enhance reputation, influenced policy change in complex political and regulatory environments and driven positive leadership culture through internal communication initiatives. Ebony also worked onsite at the Chevron-operated Gorgon Project managing high-profile visits from global executives, investors and government officials. Ebony holds a Masters in Business Administration from Curtin Business School and is an accredited IAP2 practitioner.

Elise Ball
Senior Legal Counsel, Technology and Telecommunications

Elise is a senior technology and telecommunications Legal Counsel with deep experience in the telecommunications sector. She has advised Australian and multinational communications technology companies on a wide range of legal and regulatory compliance issues. She is skilled in implementing compliance programs, network and technology procurement, regulatory affairs, regulatory investigations, competition law and information security laws.

Dr Gareth Downing
Deputy Chief Executive Officer, ACCAN

Gareth is a lawyer and economist interested in regulation and public policy. He has a particular interest in the economic analysis and impacts of the legal system on policy outcomes and the application of risk analysis to policy issues. He has specialist knowledge of consumer issues in the telecommunications sector.

He completed postgraduate studies in the economic analysis of law at the University of Vienna, University of Hamburg and Erasmus University Rotterdam as well as administrative law and policy at the University of Sydney. He has a keen interest in analysing and developing comprehensive policy solutions to complex problems.

Gill Savage Managing Director, LeadAbility Group Pty Ltd	Gill Savage is the Director and Founder of LeadAbility Group Pty Ltd – a strategy, governance and risk professional services firm. She has extensive senior executive experience in government strategy, policy, programs and transformation. She led the Australian Government's biometrics for border control program which included design and implementation of SmartGate in Australia and New Zealand, and redesign of air passenger analysis. Gill has also led the redesign of government services across the aviation, regional development and employment services areas. Gill is Vice President - Global with the Australian Risk Policy Institute, a Senior Fellow with the Northern Australia Strategic Policy Centre at the Australian Strategic Policy Institute and a member of the Faculty of Arts and Social Sciences Industry Advisory Board at the University of Technology Sydney.
Dr Holly Randell-Moon Senior Lecturer, Charles Sturt University	Holly is a non-Indigenous Senior Lecturer in Indigenous Australian Studies at Charles Sturt University in Dubbo. She has recently led projects in consultation with First Nations communities about telecommunications infrastructural inequalities, digital inclusion and technological literacy. She brings expertise about how rural, regional and remote (RRR) communities experience the reality of telecommunications. In particular, she has specialist knowledge of how RRR communities are impacted by telecommunications outages in natural disasters and emergencies. She has direct connections and rapport with First Nations communities across New South Wales which will be of great benefit to the consultative aspects of this project.
Jamie Morse Non-Executive Director, CommsAlliance	Leads Government Relations for Macquarie Telecom Group, Australia's data centre, cloud, cyber security and telecom company for mid-to-large business and government customers. Over 20 years' experience in corporate and public affairs across agency, freelance and in-house positions in Australia, Asia and the Middle East. Specialist areas include stakeholder management, strategic campaign design and implementation, multi-channel integrated communications, issue/ crisis, risk and reputation management.
Jason Duerden Regional Director (Aus and NZ), SentinelOne	Jason is a cyber-security and technology expert, having worked in collaboration with the United States and the Asia/Pacific region. Throughout his career, Jason has helped deliver critical national security projects, supported education and debate of cyber security frameworks and supported growth in the local cyber industry. He has specialist knowledge in not only cyber-security, but also new technologies, process improvement and supply chain management.

Jeff Whitton

Founding Director / Advisor to the Board, Yirigaa / CI-ISAC / Ambassador for the NSW Cyber Security Hub

With over 40 years' experience, Jeff is an accomplished and highly respected leader with a diverse background in telecommunications, digital technology, cyber security, information intelligence, and corporate regulatory governance. He has extensive experience at the local government level, and is an advocate for better outcomes for all Australians – particularly regional Australians and First Nations peoples. He holds several leadership roles and board positions, including as an Advisor to the Board of Critical Infrastructure - Information Sharing and Analysis Centre (CI-ISAC) and Ambassador for the NSW Cyber Security Hub and Board Director and Advisor to Indigenous owned company, Yirigaa.

Kirsty McKinnon

Executive Director, NSW Telco Authority

Kirsty joined the NSW Telco Authority in 2019. Prior to this, she had extensive experience delivering large-scale programs across the government and telecommunications sectors. Kirsty identifies interdependencies across commercial and project workstreams, implements remediation plans where necessary and ensures stakeholders are kept well informed of progress and challenges. Kirsty brings not only expertise in program delivery, but also technical expertise in the areas of Public Safety Networks, Public Safety Mobile Broadband, and cyber-security.

Laurence Plant

Principal Consultant, FromHereOn

Laurence is an IT architect and enterprise strategist. He has a background in computer science. He brings specialist skills in coordination and collaboration, designing models and systems, and improving business services. His work on the Smarter Cities Challenge for the City of Sendai in Japan following the earthquake and tsunami in March 2011 informed the UN Office for Disaster Risk Reduction's development of the Sendai Framework for Disaster Recovery Risk Reduction 2015-30.

Luke Coleman

Head of Government and Corporate Affairs, Vocus

Luke is a government and corporate affairs professional with more than 15 years' experience in private sector and government roles. Prior to joining Vocus, Luke previously worked as a chief of staff, senior adviser and media adviser to two Commonwealth Ministers, as a public policy and communications manager for the world's largest telecoms vendor, and as the editor-in-chief of Australia's largest telecommunications industry daily, as well as a range of roles as a journalist in print, radio, television and online.

Michelle Phillips

Head of Government Relations, Ericsson

Michelle is a highly effective government relations specialist with extensive experience in ICT regulation, policy and advocacy. Her current role is part of a global government and policy advocacy function within Ericsson. She brings specialist knowledge of physical telecommunications infrastructure, spectrum, cyber security, and enabling the capabilities of 5G. She also sits on the CommsAlliance Board.

Min Livanidis Non-Executive Director, Amazon Web Services	Min has a career spanning national security, consulting, academia and critical infrastructure. She specialises in the intersection of security with technological, societal and policy issues. Min started her career in the Australian Signals Directorate, where she was awarded three Australian Intelligence Community medallions for outstanding service. She also worked as a consultant to federal government clients at PwC and KPMG before joining NBN Co., where she established the security intelligence centre and acted as executive adviser on national security and cyber policy. Min is now the Director of Public Policy at AWS.
Narelle Clark CEO, Internet Association of Australia Ltd.	Narelle brings over 25 years' experience in the telecommunications industry. She has specialist knowledge in the design, building and management of Internet and voice networks. She brings extensive experience in technology policy, advocacy and regulation. She has a strong knowledge of cybersecurity and the technical aspects of the sector, such as OSS systems, IP communications and telecommunications systems architecture. She is an experienced Board member of global organisations.
Dr Paul Barnes Academic, Griffith University	Paul is an operational risk management and systems thinker with over 25 years' of experience as a practitioner in the public sector and as an academic. His professional focus includes research and policy development on disaster risk reduction, resilience building and national-level risk management strategy. He is currently working with the Queensland Disaster Research Alliance and the Torrens Resilience Initiative. He is a member on both the World Economic Forum's Expert Risk and Resilience Network, and the United Nations' Global Risk Assessment Framework Working Group.
Ryan Ko Professor/Chair/DirectorUQ Cyber	Professor Ryan Ko is the founding Chair & Director of UQ Cyber at the University of Queensland, and has more than 15 years' experience in senior scientific leadership, directorship, entrepreneurship, and global commercialisation roles. Prof Ko is internationally regarded as one of Australasia's leading cyber security experts, and has advised the INTERPOL, Australian Government (Queensland Government, ACSC JIAG) and NZ Government (Minister of Comms., Dept. of PM & Cabinet, Ministry of Justice, and GCSB). He is an expert on the ISO/IEC JTC 1/SC 27, and his specialist skills are in cyber security, data provenance, data privacy and cloud computing security.

Stephen Farrugia CTO, BAI Communications	Stephen is a broadcast industry expert. His extensive experience over three decades includes assessing digital transmission standards, conducting system trials, participating in industry standardisation groups, and leading other key programs for the business and industry. He has a strong knowledge of new broadcast and telecommunications technologies, spectrum, infrastructure engineering and government engagement.
Observer, Lead Researcher **Dr Huon Curtis**	Huon is the Senior Research Fellow at the Tech Policy Design Centre at the Australian National University. Before joining ANU, he worked on cyber and defence workforce issues, Indigenous and technology policy, and economic development of Northern Australia at the Australian Strategic Policy Institute. He has advised the Organisation of Economic Cooperation and Development, and the International Labour Organisation. He has a PhD in International Political Economy from the University of Sydney.
Observer, Project Manager **Chloe Harpley**	Chloe is on secondment at the TPDC from the Department of Infrastructure, Transport, Regional Development, Communications and the Arts. At the department, she is a Policy Officer in the Telecommunications Infrastructure Protection section within the Telecommunications Resilience Branch. She has a Bachelor of Laws (Honours) and a Bachelor of Arts (Anthropology and English) from the Australian National University.
Observer, Risk Advisor **Fred Fernandes** Program Regulatory Lead, AirServices Australia	Fred is an experienced safety risk professional with expertise in developing risk-based safety regulations for air transport, road transport and aeronautical telecommunication and navigation services. Fred's recent work involved developing and implementing a concept and methodology for sector safety risk profiling. By engaging sectors of the aviation industry, sector risk profiles were developed for air transport and aerial work with aviation safety regulators.

Ex officio
A representative from the Department of Infrastructure, Transport, Regional Development, Communications and the Arts

Ex officio
A representative from the Department of Home Affairs